

*Fig. 1*

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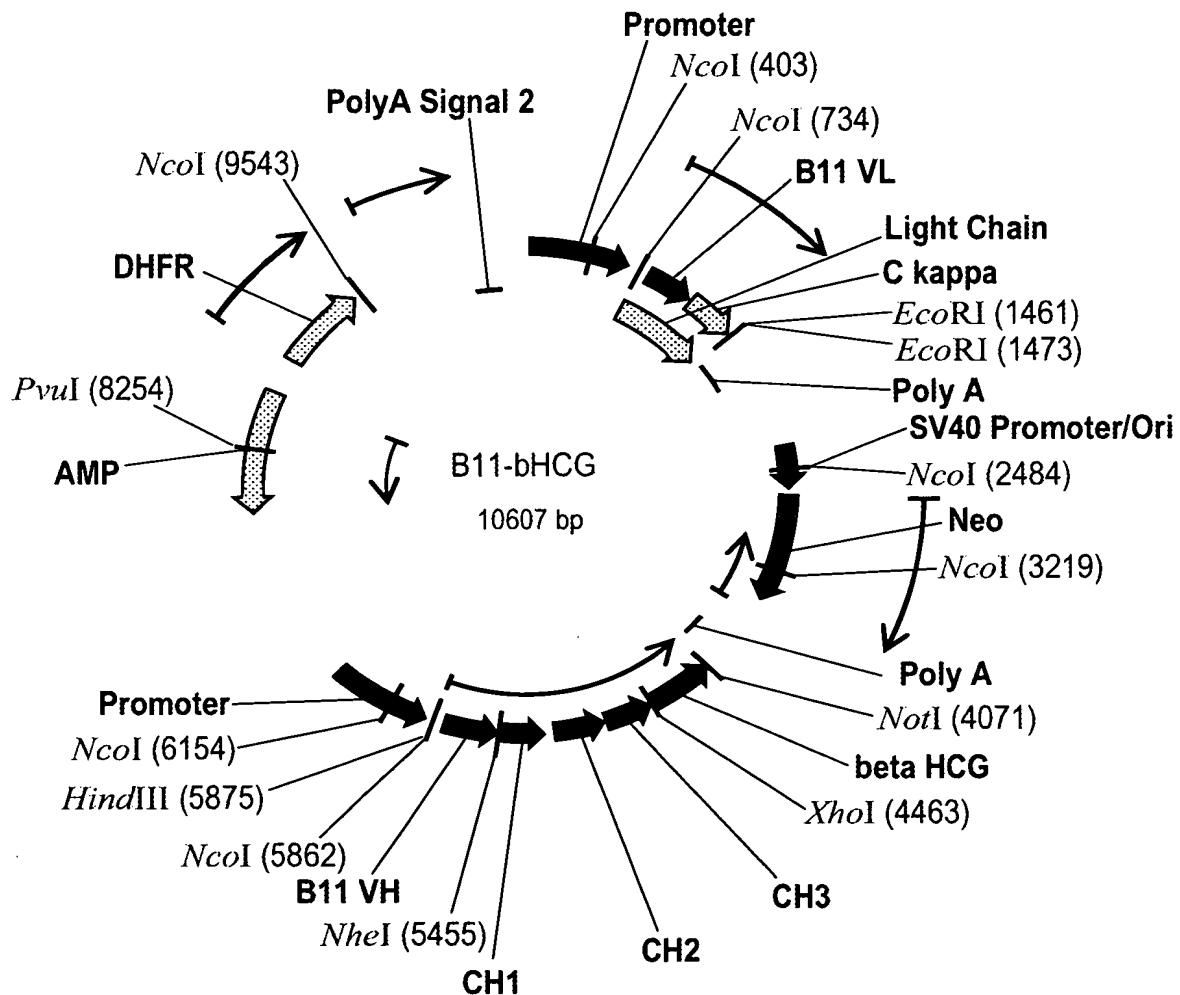
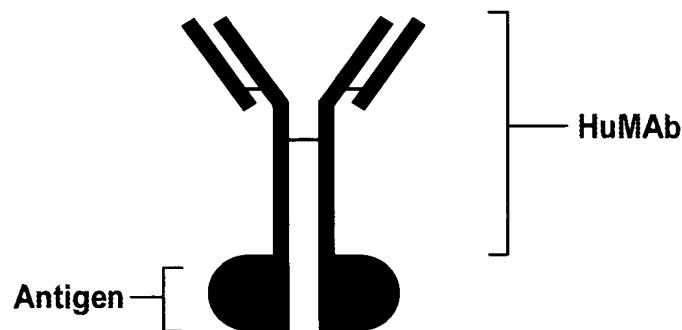
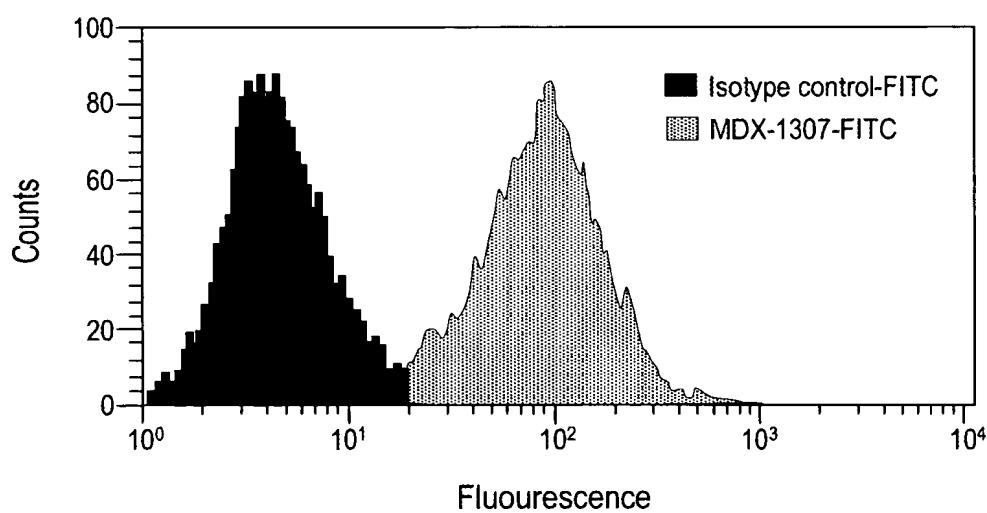


Fig. 2

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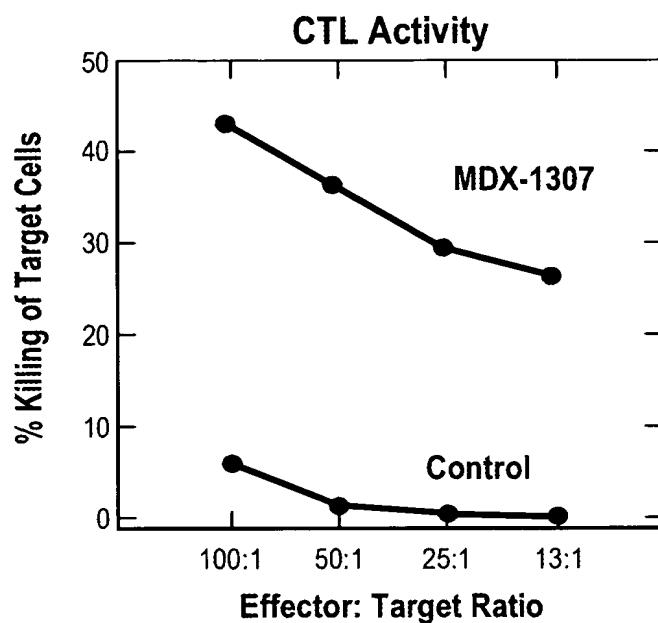
*Fig. 3*



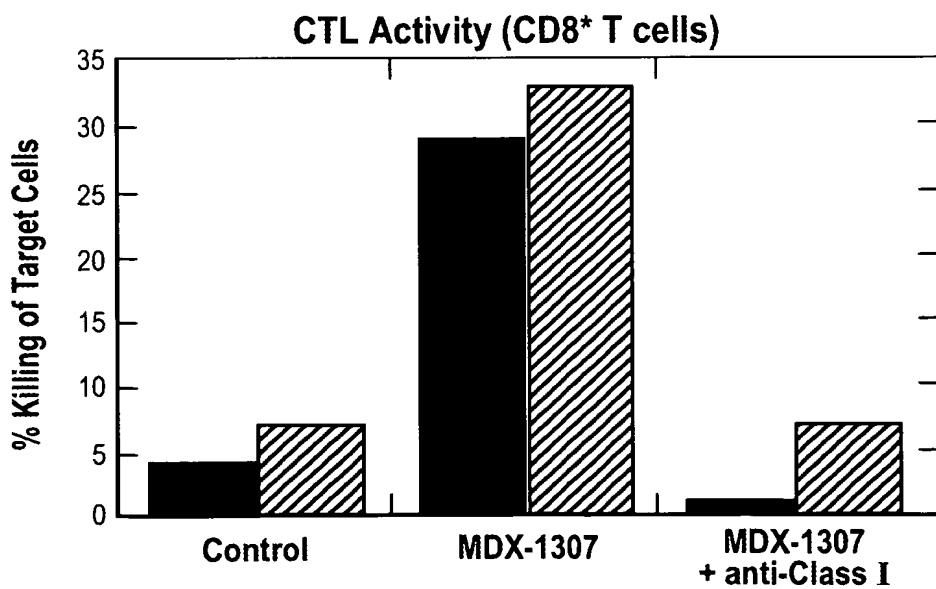
*Fig. 4*

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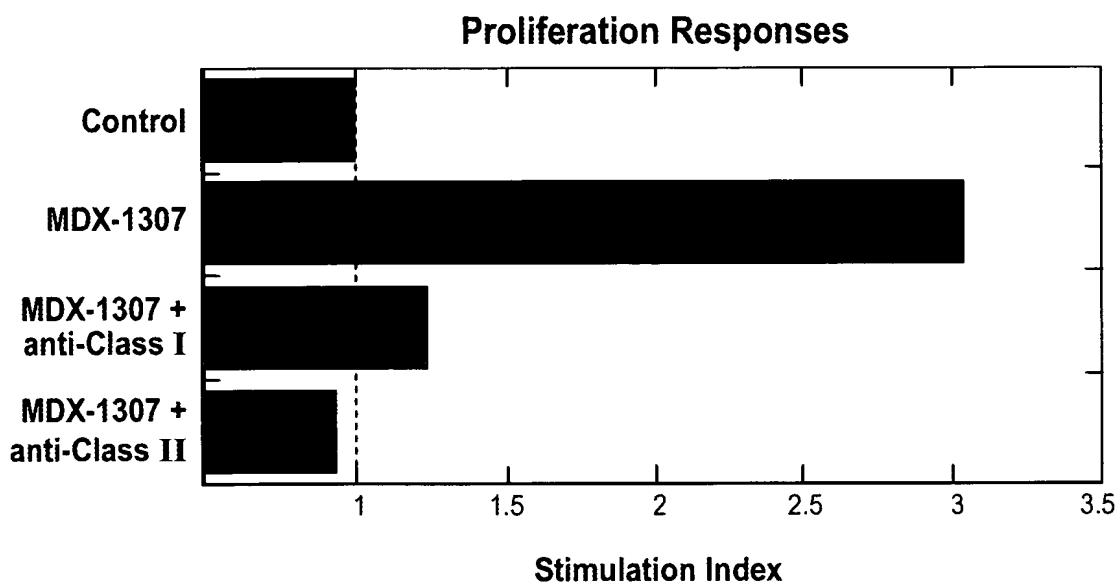
*Fig. 5*



*Fig. 6*

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*Fig. 7*

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Inventor: Tibor Keler et al.  
Title: Antibody Vaccine Conjugates and Uses Therefor  
Serial No.: 10/769144

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Anti-Mannose Receptor B11 VH

V-segment: Locus - 5-51 Name: DP-73/V5-51

D-segment: Unknown

J-segment: JH4b

1 E V Q L V Q S G A E V K K P G E S L  
GAG GTG CAG CTG GTG CAG TCT GGA GCA GAG GTG AAA AAG CCC GGG GAG TCT CTG

CDR 1

55 R I S C K G S G D S F T T Y W I G W  
AGG ATC TCC TGT AAG GGT TCT GGA GAC AGT TTT ACC ACC TAC TGG ATC GGC TGG

CDR 2

109 V R Q M P G K G L E W M G I I Y P G  
GTG CGC CAG ATG CCC GGG AAA GGC CTG GAG TGG ATG GGG ATC ATC TAT CCT GGT

CDR 2

163 D S D T I Y S P S F Q G Q V T I S A  
GAC TCT GAT ACC ATA TAC AGC CCG TCC TTC CAA GGC CAG GTC ACC ATC TCA GCC

217 D K S I S T A Y L Q W S S L K A S D  
GAC AAG TCC ATC AGC ACC GCC TAC CTG CAG TGG AGC AGC CTG AAG GCC TCG GAC

CDR 3

271 T A M Y Y C T R G D R G V D Y W G Q  
ACC GCC ATG TAT TAC TGT ACG AGA GGG GAC CGG GGC GTT GAC TAC TGG GGC CAG

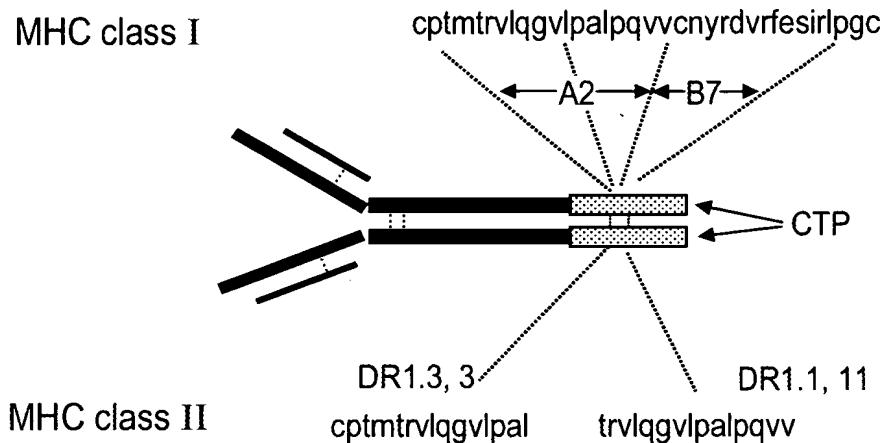
→ JH4b

325 G T L V T V S S  
GGA ACC CTG GTC ACC GTC TCC TCA

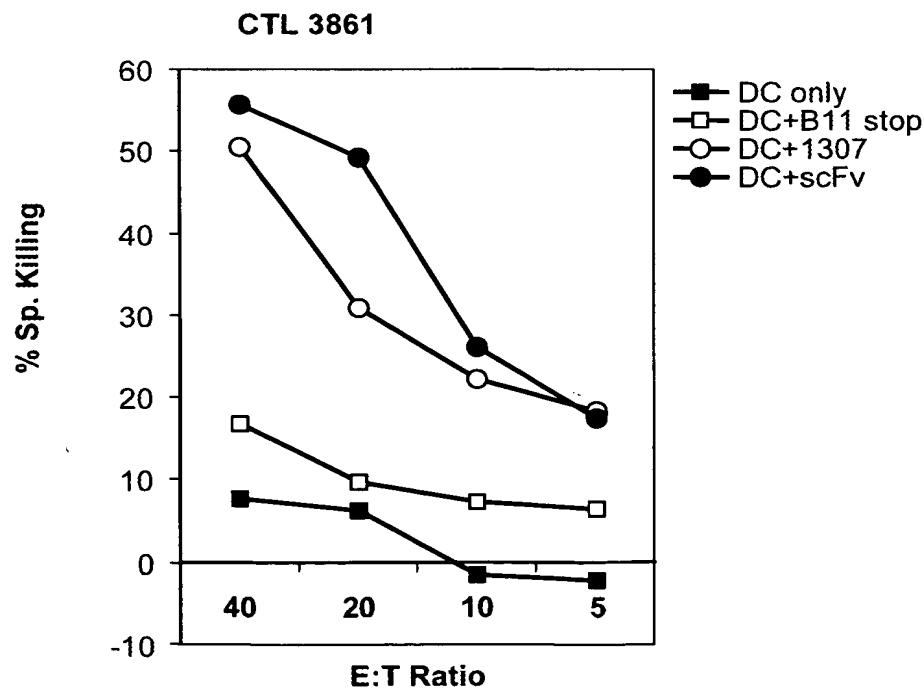
*Fig. 8*



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*Fig. 10*



*Fig. 11*

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Anti-Mannose Receptor VH5-51 Regions

		<u>CDR1</u>																			
5-51 germline		E V Q L V Q S G A E V K K P G E S L K I S C K G S G Y S F T S Y W I G																			
B11		- -																			
		<u>CDR2</u>																			
5-51 germline		W V R Q M P G K G L E W M G I I Y P G D S D T R Y S P S F Q G Q V T I																			
B11		- -																			
		<u>CDR3</u>																			
5-51 germline		S A D K S I S T A Y L Q W S S L K A S D T A M Y Y C A R																			
B11		- -																			
		<u>germline</u>																			
5-51		W G Q G T L V T V S S																			
B11		- -																			

Fig. 12

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Anti-Mannose Receptor VH regions (VH5-51):

V germline: GCG AGA  
 B11: A-- --- GGG GAC CGG GGC GTT GAC TAC TGG GGC CAG GGA ACC CTG GTC ACC GTC TCC TCA  
 CDR3

Fig. 13

## Anti-Mannose Receptor V<sub>k</sub> L15 Regions

Fig. 14

Anti-Mannose Receptor VK Regions

L15 germline: GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC AGA GTC ACC ATC  
B11: ---

L15 germline: ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TGG TTA GCC TGG TAT CAG CAG AAA CCA GAG AAA  
B11: ---

L15 germline: GCC CCT AAG TCC CTG ATC TAT GCT GCA TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC  
B11: ---

L15 germline: GGC AGT GGA TCT GGG ACA GAT TTC ACT CTC ACC ATC AGC CTG GAG CCT GAA GAT TTT GCA  
B11: ---

L15 germline: ACT TAT TAC TGC CAA CAG TAT AAT AGT TAC CCT CDR3  
B11: ---

B11: ATC AAA

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Fig. 15